

c
L93u2m
1912/13

University of Louisville

Medical Department



FOUNDED 1837

Session 1912-1913 begins October 1, 1912

Seventy-sixth Annual Announcement
With Register of Matriculates and Graduates
of Session 1911-1912

LOUISVILLE, KENTUCKY

Board of Trustees

David W. Fairleigh, *President*

Oscar Fenley

T. L. Jefferson

John W. Barr

Madison L. Miller

B. Bernheim

W. H. Bradbury

Gilmer S. Adams

Allen R. Hite

Bruce Haldeman

Marion E. Taylor

Officers Medical Department

J. M. Bodine, M. D., LL. D., *President*

W. Ed. Grant, M. D., *Dean*

Executive Committee

Joseph B. Marvin, B. S., M. D., LL. D.

C. W. Kelly, M. D., C. M.

J. Morrison Ray, M. D.

William H. Wathen, A. M., M. D. LL. D.

John G. Cecil, B. S., M. D.

Ex Officio

J. M. Bodine, M. D.

W. Ed. Grant, M. D.

FACULTY

- J. M. BODINE, M.D., LL.D. -----Atherton Building
Professor Emeritus of Anatomy and President of Faculty.
- WM. O. ROBERTS, M.D. -----Atherton Building
Professor Emeritus of Surgery and Clinical Surgery.
- WILLIAM CHEATHAM, M.D. -----303 W. Chestnut Street
*Professor Emeritus of Diseases of the Eye, Ear,
 Nose and Throat.*
-
- W. ED GRANT, M.D. -----101 W. Chestnut Street
Dean of the Faculty.
- C. W. KELLY, M.D., C.M. -----St. Charles Place
Professor of Anatomy.
- WILLIAM H. WATHEN, A.M., M.D., LL.D.-----The Gaulbert Building
Professor of Abdominal Surgery and Gynecology.
- JOSEPH B. MARVIN, B.S., M.D., LL.D.-----1385 Fourth Avenue
Professor of Medicine and Neurology.
- L. S. McMURTRY, A.M., M.D., LL.D.-----The Atherton Building
Professor of Abdominal Surgery and Gynecology.
- H. HORACE GRANT, A.M., M.D. -----The Atherton Building
Professor of Surgery and Clinical Surgery.
- JOHN G. CECIL, B.S., M.D. -----The Atherton Building
Professor of Principles of Medicine and Clinical Medicine.
- ISADORE N. BLOOM, A.B., M.D. -----The Atherton Building
Professor of Cutaneous, Venereal and Genito-Urinary Diseases.
- WILLIAM C. DUGAN, M.D. -----1957 Brook Street
Professor of Surgery and Clinical Surgery.
- CARL WEIDNER, M.D. -----St. Charles Place
Professor of Hygiene and Preventive Medicine.
- J. MORRISON RAY, M.D. -----The Atherton Building
*Professor of Diseases of the Eye, and Clinical Diseases of the
 Ear, Nose and Throat.*
- SAMUEL G. DABNEY, M.D. -----216 W. Chestnut Street
*Professor of Diseases of the Ear, Nose and Throat, and
 Clinical Diseases of the Eye.*
- LOUIS FRANK, M.D. -----The Atherton Building
Professor of Abdominal Surgery and Gynecology.
- J. GARLAND SHERRILL, A.M., M.D. -----The Atherton Building
Professor of Surgery and Clinical Surgery.

- PHILIP F. BARBOUR, A.M., M.D. -----The Atherton Building
Professor of Pediatrics.
- ADOLPH O. PFINGST, M.D. -----The Atherton Building
*Professor of Diseases of the Eye, and Clinical Diseases of the
Ear, Nose and Throat.*
- GEO. C. HENDON, M.D. -----1826 Baxter Avenue
*Professor of Principles and Practice of Surgery
and Clinical Surgery.*
- HUGH N. LEAVELL, M.D. -----1028 Second Street
Professor of Materia Medica, Therapeutics, and Pharmacology.
- EDWARD SPEIDEL, M.D.-----The Atherton Building
Professor of Obstetrics.
- WILLIAM B. DOHERTY, M.D.-----The Atherton Building
Professor of Obstetrics.
- BERNARD ASMAN, A.M., M.D. -----The Atherton Building
Professor of Diseases of the Rectum.
- CHARLES W. HIBBITT, A.B., M.D.-----The Atherton Building
Professor of Gynecology.
- IRVIN ABELL, A.M., M.D.-----The Atherton Building
*Professor of Principles and Practice of Surgery
and Clinical Surgery.*
- WILLIAM A. JENKINS, A.M., M.D. -----The Atherton Building
Professor of Medicine and Clinical Medicine.
- JOHN R. WATHEN, A.B., M.D. -----The Gaulbert Building
*Professor of Principles and Practice of Surgery
and Clinical Surgery.*
- VIRGIL E. SIMPSON, A.B., M.D.-----The Atherton Building
Professor of Materia Medica, Therapeutics and Pharmacology.
- GRANVILLE S. HANES, M.D. -----The Masonic Building
Professor of Diseases of the Rectum.
- LEON K. BALDAUF, A.B., M.D. -----Eastover
Professor of Pathology and Bacteriology.
- WALTER H. MACCRACKEN, M.S., M.D.---Cor. First and Chestnut Sts.
Professor of Physiology and Histology.
- JOSEPH H. HATHAWAY, A.M., M.D.---Cor. First and Chestnut Sts
Professor of Anatomy and Embryology.
- CHARLES J. ROBINSON, B.S., Ph.D.---Cor. First and Chestnut Sts.
Professor of Chemistry.

- ISAAC LEDERMAN, A.B., M.D. -----The Atherton Building
*Professor of Diseases of the Ear, Nose and Throat, and
 Clinical Diseases of the Eye.*
- SIDNEY J. MEYERS, M.D. -----The Atherton Building
Professor of Economics and Medical Ethics.
- PENDLETON BECKLEY -----Louisville Trust Co. Building
Professor of Medical Jurisprudence.
- CHAS. O. ZAHNER, JR., Ph.G., M.D. -----Louisville
Professor of Histology.
- HARRY A. DAVIDSON, M.D. -----The Atherton Building
Adjunct Professor of Pediatrics.
- CHARLES G. LUCAS, A.B., M.D. -----The Atherton Building
Adjunct Professor of Gastro-Intestinal Diseases and Dietetics.
- CUTHBERT THOMPSON, M.D.-----The Weissinger-Gaulbert Building
Adjunct Professor of Nervous Diseases.
- JOHN J. MOREN, M.D.-----The Weissinger-Gaulbert Building
Adjunct Professor of Mental and Nervous Diseases.
- J. ROWAN MORRISON, M.D. The Weissinger-Gaulbert Building
Adjunct Professor of Medicine and Clinical Medicine.
- FRANK W. FLEISCHAKER, Ph.G., M.D.-----The Atherton Building
Adjunct Professor of Medicine and Clinical Medicine.
- THOMAS K. VAN ZANDT, A.B., M.D.-----The Atherton Building
Adjunct Professor of Obstetrics.
- WILLIAM H. COLEMAN, M.D.-----3000 S. Fourth Avenue
*Adjunct Professor of Materia Medica, Therapeutics, and
 Pharmacology.*
- J. BELL LUKINS, M.D.-----2454 Catalpa Street
Adjunct Professor of Obstetrics.
- HERBERT BRONNER, A.B., B.S., M.D.-----The Atherton Building
*Adjunct Professor of Venereal, Cutaneous, and
 Genito-Urinary Diseases.*
- CLEMENT B. SPALDING, A.B., M.D.-----St. Charles Place
Adjunct Professor of Surgery.
- C. GUY FORSEE, M.D.-----The Atherton Building
Adjunct Professor of Surgery.
- LEE KAHN, M.D.-----The Atherton Building
Adjunct Professor of Surgery.

- ALBRO L. PARSONS, B.A., M.D.-----Baxter and Bonnycastle
Adjunct Professor of Surgery.
- ELLIS DUNCAN, M.D. -----Atherton Building
Adjunct Professor of Pathological Anatomy.
- HEMAN HUMPHREY, A.B., M.D. -----1901 Barret Avenue
Adjunct to the Chair of Anatomy.
- M. M. MILLER, M.D.-----Louisville
Assistant in Anatomy and Embryology.
- JNO. W. PRICE, JR., M.D. -----Atherton Building
Assistant in Surgical Pathology.
- EMMET F. HORINE, M.D. -----1036 Bardstown Road
Assistant to the Chairs of Surgery, Abdominal Surgery and Gynecology.
- GAVIN FULTON, M.D., -----Weissinger-Gaulbert
Assistant in Pediatrics.
- DAVID MORTON, M.D. -----Louisville
Assistant to Chair of Medicine and Clinical Medicine.
- R. HAYS DAVIS, M.D. -----Atherton Building
Assistant in Medicine and Demonstrator in Clinical Pathology.
- GEORGE A. ROBERTSON, M.D.-----Atherton Building
Assistant in Diseases of the Eye, Ear, Nose and Throat.
- CHARLES FARMER, M.D. -----401 E. Broadway
Assistant in Gynecology and Abdominal Surgery.
- W. BARNETT OWEN, A.B., M.D.-----Atherton Building
Assistant in Gynecology and Abdominal Surgery.
- SIEGEL C. FRANKEL, M.D. -----Atherton Building
Assistant in Medicine and Clinical Medicine.
- CHAS. H. WHITLATCH, M.D. -----713 Second St.
Assistant in Surgery and Clinical Surgery.
- CARL WEIDNER, JR., M.D. -----1922 W. Jefferson
Assistant in Neuro-Pathology.
- JESSE I. WITTENBERG, M.D. -----607 W. Chestnut
Assistant in Medical Jurisprudence and Toxicology.
- EDWIN T. BRUCE, M.D. -----The Weissinger-Gaulbert
Demonstrator of Radiography.
- JOHN W. HEIM, M.D. -----Atherton Building
Assistant to the Chair of Surgery and Clinical Surgery.
- EDWARD C. REDMON, M.D. -----Atherton Building
Assistant in Materia Medica, Therapeutics and Pharmacology.

ELMER LEE HENDERSON, M.D.	Weissinger-Gaulbert
<i>Assistant in Diseases of the Rectum.</i>	
CHARLES J. ROSENHAM, PH.G., M.D.	1427 Second St.
<i>Assistant to the Chair of Cutaneous, Venereal and Genito-Urinary Diseases.</i>	
D. Y. KEITH, M.D.	Masonic Temple
<i>Assistant to Chair of Diseases of the Rectum.</i>	
CLAUD T. WOLFE, M.D.	Atherton Building
<i>Assistant to the Chair of Diseases of the Eye, Ear, Nose and Throat.</i>	
CHARLES W. JEFFERSON, M.D.	Atherton Building
<i>Assistant in Obstetrical Pathology.</i>	
EDWARD B. RITCHEY, M.D.	Weissinger-Gaulbert
<i>Assistant in Neurology.</i>	
S. C. MCCOY, M.D.	Atherton Building
<i>Assistant in Surgery.</i>	
C. D. RENDER, M.D.	Masonic Building
<i>Assistant in Parasitology.</i>	
I. A. ARNOLD, M.D.	2802 Virginia Ave.
<i>Assistant in Gynecological and Abdominal Surgery.</i>	
FREDERICK C. THUM, M.D.	Louisville
<i>Instructor in Anatomy.</i>	
T. M. DORSEY, M.D.	Louisville
<i>Instructor in Pathology and Bacteriology.</i>	
LOUIS MOIR, M.D.	Louisville
<i>Demonstrator of Radiography.</i>	
ELBERT W. JACKSON, M.D.	Louisville
<i>Clinical Assistant.</i>	
EDGAR W. NORTHCUTT, M.D.	Louisville
<i>Clinical Assistant.</i>	
CHARLES E. VIDT, M.D.	Louisville
<i>Clinical Assistant.</i>	
WILLIAM S. NEEDHAM, M.D.	Louisville
<i>Clinical Assistant.</i>	
DUDLEY W. QUEEN, M.D.	Louisville
<i>Clinical Assistant.</i>	
HIRAM SIMM EGGERS, M.D.	Louisville
<i>Clinical Assistant.</i>	
WM. BEVERLY WHITE, M.D.	Louisville
<i>Clinical Assistant.</i>	

Announcement

The Medical Department of the University of Louisville is the second oldest Medical School now in existence west of the Alleghenies. During its seventy-five consecutive annual sessions it has had in its Faculty and in its Alumni many of the most renowned teachers and authors in the medical profession of this country.

In 1908 the following named Medical Schools, by mutual agreement of the respective Faculties, and in perfect accord, united and became the Medical Department of the University of Louisville, transferring their properties, good will, and prestige, and their Alumni are made Alumni of the Medical Department of the University of Louisville.

THE MEDICAL DEPARTMENT OF THE UNIVERSITY OF LOUISVILLE,
Organized in 1837.

THE KENTUCKY SCHOOL OF MEDICINE,
Organized in 1850.

THE LOUISVILLE MEDICAL COLLEGE,
Organized in 1869.

THE HOSPITAL COLLEGE OF MEDICINE,
Organized in 1873.

MEDICAL DEPARTMENT OF KENTUCKY UNIVERSITY,
Organized in 1898.

These five schools have graduated 20,000 physicians, and now have in active practice, located in every State in this country, nearly 10,000 Alumni.

The Medical Schools of Kentucky, since the organization of the Medical Department of Transylvania University in 1817, have been liberally patronized by the students of all the States and from many foreign countries, because of their recognized high standards and the excellence in teaching.

By the merging of these five schools, medical education in Louisville is maintaining a relatively higher standard than at any time in its past history, and the Medical Department of the University of Louisville is abundantly prepared to meet the demands of the

rapid evolution in medical education, both in the biologic and pure science departments, and in their practical application in the prevention and cure of disease.

The equipment of the many laboratories in the biologic and practical departments is such as to meet all demands of the Boards that control the practice of medicine in every State, and of the Council on Medical Education of the American Medical Association, and the school is in every way conforming to the methods and meets the requirements of the Medical Departments of the best universities.



University of Louisville

The University comprises three colleges, all of which are governed by the Board of Trustees of the University.

THE ACADEMIC DEPARTMENT OR COLLEGE OF LIBERAL ARTS AND SCIENCES will reopen Monday, September 23, 1912. Courses in fourteen departments will be offered in 1912-1913. The College will grant the Baccalaureate degree in all departments; the Master's degree for the present will be conferred only in the departments of English, Latin, Greek, French, German, History, Mathematics, Biology, and Chemistry.

For information or catalogue, address the Dean, John Patterson, A.M., LL.D., 119 West Broadway, Louisville, Kentucky.

THE MEDICAL DEPARTMENT. Member of the Association of American Medical Colleges. The course of study leads to the degree of M. D. The sessions of this Department begin October 1st and continue eight months. For special information of the Medical Department address the Dean, W. Ed Grant, M.D., Louisville, Ky.

THE LAW DEPARTMENT of the University of Louisville has been in successful operation since 1848. Refers to its graduates all over the Union.

For catalogues address: C. B. SEYMOUR, *Dean*.

DISPENSARY.

The Dispensary or Outdoor Department of the Louisville City Hospital is open every morning and afternoon, affording a large walking clinic. A Chief of Clinic assigns patients to the various

departments, where each is treated by the Professor and assistants representing the department to which the disease belongs. Attendance on these clinics is required of all students in the Senior and Junior Classes.

Students are arranged in small sections for each of the departments connected with the Hospital and Dispensary, in which every department of medicine and surgery, including specialties, may be demonstrated by an abundance of clinical material. Patients are assigned to the respective departments as indicated by the nature of the disease, and every day between the hours of 8 and 9 a. m. and 2 and 3 p. m. all kinds of disease are diagnosticated and treated and minor operations performed before small sections of students from the Senior and Junior Classes.

CITY HOSPITAL.

The city of Louisville has voted bonds to the amount of one million dollars, for the purpose of erecting on the site of the old City Hospital a magnificent new hospital, up to date in every particular. Work on the new building is being pushed as rapidly as possible, and the contractors say it will be ready in December of this year. In the meantime the City Hospital is occupying temporary quarters in the old University Hospital at 522 Center Street, where extensive additions are being made in order to accommodate the patients. It contains a commodious amphitheater, furnished with the necessary appliances for all manner of clinical demonstrations and surgical operations. Being the Charity Hospital of a population of 300,000, with 300 beds, it affords a large and varied supply of clinical material. Clinics on medicine and surgery are held during the entire year. Students are also taught in small sections in the various wards and in the laboratories for clinical instruction. The Faculty is in clinical control of the City Hospital throughout the year.

THE SCHOOL BUILDING.

This magnificent structure, on the northwest corner of Chestnut and First Streets, which was completed in 1893, is acknowledged to be one of the best appointed buildings for teaching modern medicine in this country. The entire outer walls are of rough stone and its interior is finished throughout in hard woods. Decorative tiling

covers the spacious halls and mammoth dissecting room. The stairways are of iron and brass, rendering the building well nigh fire-proof. The lecture rooms are supplied with comfortable opera chairs, afford ample accommodation, and the student's comfort is enhanced by individual lockers and numerous lavatories. The Chemical, Physiological, Materia Medica, Pathological, Pharmacological, Bacteriological, Anatomical and Histological Laboratories are completely equipped with apparatus of the latest type, and nothing has been spared to render every department thoroughly up to date.

SESSION 1912-1913.

The seventy-sixth regular session will begin Monday, October 1, 1912, and will continue eight months.

REQUIREMENTS FOR ADMISSION.

All students entering the University of Louisville Medical Department are required to present a Medical Student's Certificate from the Kentucky State Board of Health. This certificate is granted by the Kentucky State Board of Health upon the following conditions:

A certificate of good moral character signed by two reputable physicians of the State in which the applicant resides.

As evidence of preliminary education:

(a) A diploma from a recognized University or College of Arts or Sciences.

(b) A diploma or certificate of graduation from an accredited four-year high school.

(c) A certificate of successful examination for admission to the Freshman Class of a recognized literary or scientific college.

(d) A Medical Student's certificate from a State Board of Medical Registration or examination, whose requirements are equal to those of the Kentucky State Board.

(e) A satisfactory written examination in all the branches embraced in the curriculum of a four years' accredited high school.

This examination must be conducted by or under the authority of the Board of Medical Examiners of the State in which the college is located; or by a duly authorized examiner of an accredited

university—State or otherwise; or by an examiner whose certificates are accepted by accredited colleges or universities.

The official Examiner for the State Board of Health has his office near the office of the Dean, and is accessible at all times.

ADDITIONAL REQUIREMENTS AFTER JANUARY, 1914.

In conformity with a resolution passed by the House of Delegates of the American Medical Association at its last session, June 3-6, 1912, to the effect that colleges to be classified in the "A" grade, must, after January 1, 1914, require in addition to the completed high school course, college credits of at least one year in biology, chemistry, physics and a modern language other than English, the Medical Department of the University of Louisville herewith announces its purpose to raise its entrance requirements to this standard on said date.

ADVANCED STANDING.

Only students from accredited medical schools will be admitted to advanced standing. Each applicant must comply fully with the entrance requirements of this school and must furnish to the Dean official certificate of attendance for each year for which he desires credit and a complete record of work done. This school reserves the right to require an examination on any subject in the curriculum should the records presented by the applicant be unsatisfactory.

Students will be given subject credit for actual work completed in a college of arts and science included in the Freshman year of the medical school.

COMBINED ACADEMIC AND MEDICAL COURSE.

A combined academic and medical course is given by the University of Louisville, the degrees of B. S. and M. D. being given for the completion of a six years' course in the two departments.

The University of Louisville prescribes nine required points and eight elective points for the Baccalaureate Degree, but it will confer the combined degrees of B. S. and M. D. for not less than six years' work, on the following conditions:

- 1.—A student who has satisfied the requirements for admission to the Academic Department of the University of Louisville and who has made the nine points (of which the point in science shall be physics) required toward the Baccalaureate Degree, and, in addition, a point in Zoology or Botany, and has studied at least one year in

residence at the Academic Department of this University, and upon the satisfactory completion of his full four years' work in that department, shall receive his B. S. degree from the Academic Department.

2.—A student who has completed his medical course satisfactorily in the University of Louisville, and gives evidence that he has satisfied the requirements for admission to the Academic Department of the University, may enter the Academic Department, and on satisfying the nine points (of which the point in science shall be physics) required towards the B. S. degree, and in addition, a point in Zoology or Botany, after at least one year of residence, shall receive his B. S. degree from the Academic Department.

3.—To graduates and students of recognized schools of Homeopathy or Eclectic Medicine, as many years as they have attended such colleges, provided they have met the other requirements and pass an examination in *Materia Medica* and *Therapeutics*.

The American Confederation of State Licensing, Reciprocating and Examining Boards, and the Association of American Medical Colleges, allow no advanced time credit, except for the four years' work in a recognized medical school, and many States have adopted a similar requirement.

REQUIREMENTS FOR GRADUATION.

The applicant for the degree of Doctor of Medicine must be twenty-one years old, and of good moral character; he must have studied medicine not less than four years and have attended four recognized courses of lectures of not less than thirty-two weeks in four separate calendar years, the last of which must have been in this school.

He must have received clinical instruction during his Junior and Senior years in the clinical laboratories in the City Hospital.

He must have taken not less than two years of work in the laboratories of Anatomy, Chemistry, Physiology, Pharmacology, *Materia Medica*, and Clinical Pathology, and one year in each of the laboratories of Histology, Embryology, Pathology, Bacteriology, and Operative Surgery; also two years of practical work in physical diagnosis, obstetrical manipulation, and the various clinical departments of medicine and surgery, and must have attended the 1,000 hours of actual work required in each of the four years.

He must furnish the Dean satisfactory credentials of having complied with these requirements. He must have been regular in attendance and have passed satisfactory examinations in all the

branches included in the curriculum of each of the four years, but final examinations in other recognized schools may be accepted in all but the Senior year.

He must have paid all fees.

FINAL EXAMINATIONS FOR GRADUATIONS.

Are held at the close of the regular session by the Faculty, and include all subjects taught in the Senior year and any subject in the Junior year in which the candidate has not previously passed a satisfactory examination.

SPECIAL STUDENTS.

Graduates of medicine or others desiring to take courses not leading to graduation may be registered as special students, and may be admitted to such courses as they are fitted to take without preliminary examination, but only by permission of the Dean and the professor in charge of the course, and upon payment of the fees required. Subjects completed satisfactory to the professor may be credited subsequently if the student enters upon a regular medical course.

Physicians who have been graduated from medical schools recognized at the time of graduation by the boards of health of the states in which they are located, who have passed state board examinations, who have been in active practice for not less than five years, and who are in good standing in the medical societies of their cities or counties, may be admitted to the senior class. Official credentials covering all the conditions named must be furnished in advance.

FRESHMAN CLASS.

ANATOMY—Osteology and Syndesmology; Lectures and Demonstrations.

ANATOMY—Descriptive (other than Osteology); Lectures, Demonstrations, and Laboratory Work.

CHEMISTRY—General, Inorganic and Organic; Lectures, Demonstrations, and Laboratory Work.

PHYSIOLOGY—Lectures and Demonstrations.

PHARMACY—Lectures, Recitations, and Laboratory Work.

MATERIA MEDICA—Lectures and Recitations.

HISTOLOGY—Lectures, Demonstrations, and Laboratory Work.

EMBRYOLOGY—Lectures, Demonstrations, and Laboratory Work.

SOPHOMORE CLASS.

ANATOMY—Descriptive, Lectures, Recitations, Demonstrations, and Laboratory Work.

PHYSIOLOGY—Lectures, Demonstrations, and Laboratory Work.

CHEMISTRY—(Physiological) Lectures, Recitations, and Laboratory Work.

PATHOLOGY—Lectures, Demonstrations, and Laboratory Work.

MATERIA MEDICA AND PHARMACOLOGY—Lectures, Recitations, and Demonstrations.

BACTERIOLOGY—Lectures, Recitations, and Laboratory Work.

PHYSICAL DIAGNOSIS—Lectures and Recitations.

JUNIOR CLASS.

MEDICINE—Principles and Practice; Lectures and Clinics.

SURGERY—Principles and Practice; Lectures and Clinics.

PHYSICAL DIAGNOSIS—Lectures and Clinical Demonstrations.

PATHOLOGY—Surgical and General; Lectures, Recitations, and Autopsies.

OPERATIVE SURGERY—Lectures, Demonstrations, and Laboratory Work.

GENERAL THERAPEUTICS—Lectures and Recitations.

GYNECOLOGY AND ABDOMINAL SURGERY—Lectures and Clinics.

PEDIATRICS—Lectures and Clinics.

OPHTHALMOLOGY—Lectures, Demonstrations, and Clinics.

MEDICAL JURISPRUDENCE AND TOXICOLOGY—Lectures and Recitations.

DERMATOLOGY—Lectures and Clinics.

OTOLOGY AND LARYNGOLOGY—Lectures, Demonstrations, and Clinics.

GENITO-URINARY AND VENEREAL DISEASES—Lectures and Clinics.

OBSTETRICS—Lectures, Demonstrations, and Out-Clinics.

MEDICAL LIFE INSURANCE—Lectures and Demonstrations.

HYGIENE—Lectures and Recitations.

SECTION TEACHING—In Dispensary and Hospital Departments.

RECTAL SURGERY—Lectures and Clinics.

NEUROLOGY—Lectures, Recitations, and Clinics.

SENIOR CLASS.

MEDICINE—Principles and Practice; Lectures, Clinics, and Ward Teaching.

SURGERY—Principles and Practice; Lectures and Clinics.

CLINICAL AND GENERAL PATHOLOGY—Lectures, Demonstrations, and Laboratory Work.

GYNECOLOGY AND ABDOMINAL SURGERY—Lectures and Clinics.

PEDIATRICS—Lectures and Clinics.

OPHTHALMOLOGY—Lectures, Demonstrations, and Clinics.

DERMATOLOGY—Lectures and Clinics.

OTOLOGY AND LARYNGOLOGY—Lectures, Demonstrations, and Clinics.

GENITO-URINARY AND VENEREAL DISEASES—Lectures and Clinics.

OBSTETRICS—Operative and Clinical.

MEDICAL LIFE INSURANCE AND MEDICAL ECONOMICS—Lectures and Demonstrations.

HYGIENE AND PREVENTIVE MEDICINE—Lectures and Recitations.

RECTAL SURGERY—Lectures and Clinics.

HOSPITAL CLINICS AND BEDSIDE INSTRUCTION.

NEUROLOGY—Lectures, Recitations, and Clinics.

MEDICAL JURISPRUDENCE AND TOXICOLOGY—Lectures and Recitations.

DEPARTMENT OF ANATOMY.

C. W. KELLY, M. D.,
Professor of Anatomy.

JOSEPH H. HATHAWAY, A.M., M.D.,
Professor of Anatomy and Embryology.

HEMAN HUMPHREY, M.D.,
Adjunct to Chair of Anatomy.

M. M. MILLER, M.D.,
Assistant in Anatomy and Embryology.

Anatomy being the real foundation upon which the science of medicine and surgery rests, the course of instruction in it is thorough in every respect and demands a large portion of the student's time during the first and second years.

The courses consist mainly of practical work in the laboratory. Each student does his work independently and is required to make at least one careful, complete and satisfactory dissection of the whole body. His ability is judged largely in the manner in which he does this laboratory work. Those with special training or ability are encouraged to do more than the required amount of work or some, who are judged capable, may become Assistant Demonstrators. The work of each man is closely followed and he is given personal quizzes and demonstrations. In addition, there are frequent lecture-demonstrations and recitations which are given to small sections of each class. In these special attention is given to the topographical and applied anatomy.

There is a good supply of well embalmed dissecting material, of Auzoux, Ziegler, and other models and of special preparations and frozen sections. These are for use in the demonstrations and are also loaned to students when desired for personal use in the laboratory.

Dissections are required to be made systematically and in the order laid down in a specially prepared guide. Not until the student's dissection and knowledge of one part is satisfactory, as shown by a practical examination, is he allowed to proceed with work upon a new one.

Careful drawings are required direct from the dissections of all important regions.

No extra fees are charged for dissecting material. If, however, a part is spoiled through neglect or careless work, it is removed and a fee charged for replacing it.

The work is divided as follows: In the first year a disarticulated skeleton is loaned to each student. This he keeps for study in the laboratory and elsewhere until his first year's work is completed. All the bones of the upper part of the body are studied first until the student's knowledge of them is satisfactory, and then drawings of them are made. After this is completed, the dissection of the upper extremity is begun. In all dissections it is required that all structures shall be preserved, so far as consistent, until the whole part is completed. After a practical examination, the muscles are systematically removed and reviewed, and the anatomy of the deeper structures completed. Finally the ligaments and joints are dissected and studied. The same course is followed in the dissection of the neck and head. When this is finished, the

bones of the lower extremity are studied and drawn, and then the dissection of this part is made.

The work of the second year is devoted to the dissection and study of the abdomen, pelvis, and thorax, and their viscera, and finally of the central nervous system. Formalin-hardened brains are used for the study of the latter. The work on the nervous system is completed by a course on the microscopical anatomy of the spinal cord and brain.

Those who satisfactorily complete the required work, and others properly qualified, may do advanced work.

FIRST YEAR ANATOMY.

1. **Osteology.** Laboratory work consisting of the study of the bones of the upper extremity, with drawings. Ten hours per week for three or four weeks.

2. **Anotomy.** Dissection of the upper extremity, neck, head, lower extremity and joints, with drawings. Special dissections are made of the eye, ear and larynx, with the aid of models.

Courses 1 and 2 require ten hours per week for twenty weeks.

Drs. Hathaway, Humphrey and Miller.

3. **Lecture-Demonstrations and Recitations.** Section demonstrations of dissections, models and charts, with frequent recitations. These follow closely the course of the laboratory work. Three hours per week for twenty weeks.

Drs. Humphrey and Miller.

SECOND YEAR ANATOMY.

4. **Anatomy.** Dissection and drawings of the abdomen, pelvis and thorax, emphasizing the topographical and surgical anatomy. Ten hours weekly for fourteen weeks.

Drs. Hathaway, Humphrey and Miller.

5. *Anatomy of the Central Nervous System*—Dissection, study and drawings of formalin-hardened brains and of the spinal cord. Skulls and special preparations are used for the study of the topographical anatomy.

6. *Neuro-Histology.* Study and drawings of Weigert-Pal, Golgi, and other sections of the brain and spinal cord, demonstrating, with the aid of the Ziegler Models, the fibre tracts and the deep origins of the cranial nerves in the brain. Four hours per week for six weeks.

Dr. Hathaway and Assistants.

7. *Lecture-Demonstrations and Recitations.* To small sections of the second year class, closely following the order of the laboratory work in courses 4, 5 and 6. Three hours per week.

Dr. Hathaway.

8. *Anatomy Recitations.* General Anatomy for both first and second year classes.

Dr. Kelly.

EMBRYOLOGY.

The course in Embryology is designed as a foundation for the more complete understanding of Anatomy, Pathology and Obstetrics. It is given to the first year students after they have completed their work in Anatomy and Normal Histology. The important points in spermatogenesis, oogenesis, fertilization, segmentation, formation of germ-layers, the structure of the foetal membranes and of the placenta are considered.

1. *Embryology Lectures.* Systematic lectures and recitations following the course of the laboratory work and illustrated with complete sets of Ziegler models, charts and microscopical lantern slides. Three hours per week for ten weeks.

Dr. Hathaway.

2. *Embryology Laboratory.* Gross and microscopical study of amphibian ova and embryos; microscopical study and drawings of chick, pig and human embryos. Complete sets of serial sections of the pig and chick embryos are loaned to students for study during the course. Six hours per week for ten weeks.

Dr. Hathaway and Assistants.

ERRATTA

DEPARTMENT OF PHYSIOLOGY AND PHARMACOLOGY.

W. H. MACCRACKEN, M.S., M.D.,
Professor of Physiology and Pharmacology.

CHAS. O. ZAHNER, Ph. G., M. D.,
Adjunct Professor of Physiology.

Assistant in Physiology and Pharmacology.

PHYSIOLOGY.

The course extends over two years and consists of individual work in the laboratory, supplemented by demonstrations, lectures and recitations, most of the lecture work being given in the freshman year.

bones of the lower extremity are studied and drawn, and then the dissection of this part is made.

The work of the second year is devoted to the dissection and study of the abdomen, pelvis, and thorax, and their viscera, and finally of the central nervous system. Formalin-hardened brains are used for the study of the latter. The work on the nervous system is completed by a course on the microscopical anatomy of the spinal cord and brain.

Those who satisfactorily complete the required work, and others properly qualified, may do advanced work.

FIRST YEAR ANATOMY.

1. **Osteology.** Laboratory work consisting of the study of the bones of the upper extremity, with drawings. Ten hours per week for three or four weeks.

2. **Anatomy.** Dissection of the upper extremity, neck, head, lower extremity and joints, with drawings. Special dissections are made of the eye, ear and larynx, with the aid of models.

Courses 1 and 2 require ten hours per week for twenty weeks.

Drs. Hathaway, Humphrey and Miller.

3. **Lecture-Demonstrations and Recitations.** Section demonstrations of dissections, models and charts, with frequent recitations. These follow closely the course of the laboratory work. Three hours per week for twenty weeks.

Drs. Humphrey and Miller.

SECOND YEAR ANATOMY.

4. **Anatomy.** Dissection and drawings of the abdomen, pelvis and thorax, emphasizing the topographical and surgical anatomy. Ten hours weekly for fourteen weeks.

Drs. Hathaway, Humphrey and Miller.

5. *Anatomy of the Central Nervous System*—Dissection, study and drawings of formalin-hardened brains and of the spinal cord. Skulls and special preparations are used for the study of the topographical anatomy.

6. *Neuro-Histology.* Study and drawings of Golgi, and other sections of the brain and spinal cord, with the aid of the Ziegler Models, the fibre origins of the cranial nerves in the brain. for six weeks.

7. *Lecture-Demonstrations and Recitations.* To small sections of the second year class, closely following the order of the laboratory work in courses 4, 5 and 6. Three hours per week.

Dr. Hathaway.

8. *Anatomy Recitations.* General Anatomy for both first and second year classes.

Dr. Kelly.

EMBRYOLOGY.

The course in Embryology is designed as a foundation for the more complete understanding of Anatomy, Pathology and Obstetrics. It is given to the first year students after they have completed their work in Anatomy and Normal Histology. The important points in spermatogenesis, oogenesis, fertilization, segmentation, formation of germ-layers, the structure of the foetal membranes and of the placenta are considered.

1. *Embryology Lectures.* Systematic lectures and recitations following the course of the laboratory work and illustrated with complete sets of Ziegler models, charts and microscopical lantern slides. Three hours per week for ten weeks.

Dr. Hathaway.

2. *Embryology Laboratory.* Gross and microscopical study of amphibian ova and embryos; microscopical study and drawings of chick, pig and human embryos. Complete sets of serial sections of the pig and chick embryos are loaned to students for study during the course. Six hours per week for ten weeks.

Dr. Hathaway and Assistants.

DEPARTMENT OF PHYSIOLOGY AND PHARMACOLOGY.

W. H. MACCRACKEN, M.S., M.D.,

Professor of Physiology and Pharmacology.

Assistant Physiology and Pharmacology.

PHYSIOLOGY.

The course extends over two years and consists of individual work in the laboratory, supplemented by demonstrations, lectures and recitations, most of the lecture work being given in the freshman year.

The laboratories are very adequately equipped and every encouragement is given the students in pursuing work additional to that required. Special stress is laid on those branches of the subject a knowledge of which will be most helpful to the student during his life as a practitioner, and every effort is made to conduct the courses in as efficient a manner as possible.

PHARMACOLOGY.

A laboratory course in Pharmacology is given, consisting of demonstrations and individual work by the students. The course in general conforms to the courses given in other schools, and affords the student experimental knowledge of the action of drugs.

DEPARTMENT OF HISTOLOGY.

CHAS. O. ZAHNER, Ph.G., M.D.,
Professor of Histology.

Assistant in Histology.

The work in this department is given in the freshman year, and extends over a period of one hundred and thirty-two hours; great stress is laid on the recognition and differentiation of tissues.

The students are led to build up various organs from their elemental structures and in this way Histology is placed on a rational basis.

This is a laboratory course, the work with individual microscopes being supplemented by micro-projection.

A sufficient amount of time is devoted to histological technique, each student preparing his own specimens.

DEPARTMENT OF CHEMISTRY

CHAS. J. ROBINSON, S.B., Ph.D.,
Professor of Chemistry.

JOSEPH CHANDLER, A.B., Ph.D.,
Assistant to Chair of Chemistry.

J. HOWARD MUELLER, S.B.,
Instructor of Chemistry.

DEPARTMENT OF CHEMISTRY.

The Freshman work in Chemistry includes: (a) General and Inorganic Chemistry, lectures and recitations for the first eighteen weeks (72 hours), presenting the nature of matter, and general principles of chemical action, and the composition and properties of common substances, emphasizing the relation of chemistry to every-day life and to Physiology and Materia Medica. (b) Organic Chemistry, lectures and recitations for the last twelve weeks (48 hours). The properties and interrelations of the chief classes of carbon compounds are discussed, particular emphasis being laid on compounds occurring in foods, compounds formed in the animal body, and substances of medicinal value. The principles of drug synthesis are also dwelt upon. (c) Inorganic Laboratory work and Analytical Chemistry, throughout the year (120 hours, all in laboratory). In the first part of the year, this course parallels closely the lecture course in inorganic chemistry, the student preparing for himself and studying the most important substances discussed in lectures, and performing experiments illustrating fundamental principles. Qualitative testing is kept in the foreground, and considerable practice is given in the identification of unknown substances. The last six weeks is devoted to volumetric analysis, the student preparing standard solutions and performing analyses intended to give him a scientific foundation for the diagnostic methods with which he becomes familiar in physiological chemistry and clinical pathology.

The Sophomore work in Chemistry includes lectures (60 hours) in physiological chemistry, covering carbohydrates, proteins and fats, the chemistry of digestion, the chemistry of blood, milk, and the tissues, the fate of food-stuffs after absorption, the excreted substances, and finally the composition and value of foods. The laboratory course (throughout the year, (120 hours) consists of experimental study of the fundamental nutrient substances, of salivary, gastric, and pancreatic digestion, of the chemistry of bile, blood, milk and various tissues, and a thorough course in qualitative and quantitative examination of urine. Finally, each student is required to perform upon himself a metabolism experiment, involving the collection and complete quantitative analysis of several 24-hour samples of urine. Practical points, such as the determination of gastric acidity and efficiency, the identification of gall-stones, detection of preservatives in milk, the analysis of bladder calculi, etc., are emphasized.

The laboratory is thoroughly equipped for efficient work on the part of the students, each of whom is provided with a locker and a complete set of the necessary apparatus, which can be replaced or added to as desired from the stock-room of the chemistry department.

DEPARTMENT OF MATERIA MEDICA, PHARMACOLOGY, AND THERAPEUTICS.

HUGH N. LEAVELL, M.D.,
Professor of Materia Medica and Therapeutics.

VIRGIL E. SIMPSON, M.D.,
Professor of Materia Medica and Therapeutics.

WILLIAM H. COLEMAN, M.D.,
*Adjunct Professor of Materia Medica, Therapeutics and
Pharmacology.*

E. C. REDMON, M.D.,
Assistant to Department of Materia Medica.

The work in this department will be presented in accordance with the following outline:

FIRST. *Didactic.*

(a) MATERIA MEDICA AND PHARMACOLOGY: All remedial agents and measures are covered by the professors in lectures given four times weekly to the Freshman and Sophomore classes each. Only drugs and preparations recognized as official by the U. S. Pharmacopœia are presented, and the pharmacological action is especially emphasized.

SECOND. *Recitations.*

All the material presented in a didactic way is closely followed by the assistants in the department in quizzes and reviews given twice weekly. By such repetition the student is drilled thoroughly in the dosage, preparations, and action of agents he is to use in his future work. In this way the teacher is afforded an opportunity to determine the progress made by the student, and the student in turn is given a chance to measure his acquirement with that of his classmates.

THIRD.

Laboratories.

(a) PHARMACY: This course consists of two hours weekly in the Freshman year. In this work the student becomes thoroughly acquainted with the physical and chemical properties of drugs, both in their crude state and as finished products. A splendid collection of all the official drugs and their preparations, including vaccines, sera, etc., in their marketable form, constitute a valuable part of the equipment of the laboratory. The student studies at first hand solvents, solubilities, and incompatibilities, and is required to make the official preparations, such as tinctures, ointments, etc., as well as to compound from their exercises in prescription writing. Poisons and their antidotes are explained in a series of practical lectures.

(b) PHARMACOLOGY: Observation of the effects of drugs by laboratory demonstrations is as illuminating and necessary as is clinical instruction in the study of disease. This work will be done in conjunction with the didactic instruction for the purpose of illustration and emphasis, and also in section work by the Sophomore Class, where the student will be required to conduct the demonstrations and keep records of all data, which must be turned in to the instructors and will be graded, thus constituting an important part in the determination of fitness for promotion to the Junior Class.

The laboratory is fully equipped with all the instruments of precision necessary for experimental work, such as oncometers, kymographs, sphygmomanometers, myocardiographs, perfusion apparatus, etc., with an abundance of animals needed for the course. An adequate familiarity with the use of this equipment constitutes a part of the section instruction.

DEPARTMENT OF BACTERIOLOGY AND PATHOLOGY.

LEON K. BALDAUF, M.D.,

Professor of Pathology and Bacteriology.

ELLIS DUNCAN, M.D.,

Adjunct Professor of Pathological Anatomy.

J. M. DORSEY, M.D.,

Instructor in Pathology and Bacteriology.

JOHN W. PRICE, JR., M.D.,

Assistant in Surgical Pathology.

CARL WEIDNER, JR., M.D.,

Assistant in Neuro-Pathology.

CHAS. W. JEFFERSON, M. D.,

Assistant in Obstetrical Pathology.

CARL D. RENDER, M.D.,

Assistant in Parasitology.

The plan of instruction in general and special Pathological Anatomy and Histology and Bacteriology includes laboratory work, demonstrations, recitations, and lectures.

The laboratory work of nine hours a week continues throughout the second year. The courses of applied Special Pathology are limited to students of the third year.

Conduct of Autopsies.

Through Dr. Ellis Duncan, the City Coroner, and the close association of the Medical School with the city institutions, gross material in abundance is supplied. During the past year over one hundred post-mortems were demonstrated to the members of the different classes.

In the rear of the medical building on First and Chestnut Streets is a well-equipped post-mortem room, where the autopsies are witnessed by the second, third, and fourth-year students. Students are encouraged to assist at post-mortems, where they are instructed in the methods of holding autopsies and the making of careful records.

Demonstrations in Gross Morbid Anatomy.

Owing to the abundance of material and the inability of all the students at certain hours to be present, special hours throughout the week are set aside for the demonstration of collected material. In addition, specimens in the museum are exhibited.

Pathological Histology.

This course continues from January to the end of the school term, and consists of examination of tissue already studied as gross material, as well as of specimens in the laboratory collection.

Students stain and mount their own specimens. They are taught the preparation of tissue for rapid diagnosis and the use of the freezing microtome.

Recitations.

At least once a week recitations are held by the head of the department, covering the work gone over in the laboratory, lecture room, and material seen at the post-mortem table.

Lectures.

Lectures three times a week are given on subjects which can not be satisfactorily completed in the laboratory.

Bacteriology.

The course continues from October 2nd to the Christmas holiday. The aim is to have the course practical, to teach the students

methods of making media, of staining and studying bacteria; to make them familiar with the cultural characteristics of the different bacteria; to teach methods of isolating bacteria, and to show the relation of pathological processes caused by these organisms.

Immunity.

At a stated time, a series of lectures and demonstrations will be given, devoted to the subject of infection and immunity. Students will be instructed in the applied methods of bacteriology; the anti-rabic treatment, preparation of vaccines, serum reactions, agglutinins, precipitins, cytolysins, and opsonins.

DEPARTMENT OF MEDICINE, NEUROLOGY, AND PEDIATRICS.

JOSEPH B. MARVIN, M. D.,

Professor of Medicine and Neurology.

JOHN G. CECIL, M. D.,

Professor of Medicine and Clinical Medicine.

WILLIAM A. JENKINS, M. D.,

Professor of Medicine and Clinical Medicine.

CARL WEIDNER, M. D.,

Professor of Hygiene and Preventive Medicine.

PHILIP F. BARBOUR, M. D.,

Professor of Pediatrics.

HARRY A. DAVIDSON, M. D.,

Adjunct Professor of Pediatrics.

CHARLES G. LUCAS, M. D.,

Adjunct Professor of Gastro-Intestinal Diseases and Dietetics.

CUTHBERT THOMPSON, M. D.,

Adjunct Professor of Nervous Diseases.

J. J. MOREN, M. D.,

Adjunct Professor of Mental and Nervous Diseases.

J. ROWAN MORRISON, M. D.,

Adjunct Professor of Medicine.

FRANK W. FLEISCHAKER, M. D.,

Adjunct Professor of Medicine and Clinical Medicine.

HAYS DAVIS, M.D.,

Assistant in Clinical Medicine.

SIEGEL C. FRANKEL, M.D.,

Assistant in Clinical Medicine.

DAVID MORTON, M.D.,

Assistant in Clinical Medicine.

EDW. B. RITCHEY, M.D.,

Assistant in Mental and Nervous Diseases.

The course in this department has been so mapped out as to embody, first, the more common diseases which are daily met with by the practitioner; it next takes up the less frequent morbid processes, and, finally, the rare diseases are included.

The members of the third-year class are given a course of systematic lectures and recitations. They also attend the medical clinics held in the hospitals. Pathology and Physical Diagnosis are especially emphasized, laying the foundation for closer clinical study in the Senior year. In the final year medicine is taught largely by direct clinical observation, affording the opportunity for an application of the theory of the third year's course. In the Clinical Laboratory the blood, sputum, urine, stomach contents, and dejecta obtained from the medical clinic and outdoor department are studied in their chemical and bacteriological relations. In the section-work especial attention is paid to questions of diagnosis, while medical treatment is more amplified in the large medical clinics, at which demonstrations of various methods are given, such as exploration of serous cavities for effusions, use of stomach pumps, esophageal bougies, etc. Cases with visible clinical signs and objective symptoms are shown in such a way as to educate the powers of observation of the student and acquaint him with the external signs of disease.

DEPARTMENT OF PRINCIPLES AND PRACTICE OF SURGERY AND CLINICAL SURGERY.

H. HORACE GRANT, M. D.,
Professor of Surgery and Clinical Surgery.

WILLIAM C. DUGAN, M. D.,
Professor of Surgery and Clinical Surgery.

J. GARLAND SHERRILL, M. D.,
Professor of Surgery and Clinical Surgery.

GEORGE A. HENDON, M. D.,
Professor of Principles and Practice of Surgery and Clinical Surgery

IRVIN ABELL, M. D.,
Professor of Principles and Practice of Surgery and Clinical Surgery

JOHN R. WATHEN, M. D.,
Professor of Principles and Practice of Surgery and Clinical Surgery

CLEMENT B. SPALDING, M. D.,
Adjunct Professor of Surgery.

C. GUY FORSEE, M. D.,
Adjunct Professor of Surgery.

LEE KAHN, M. D.,
Adjunct Professor of Surgery.

ALBRO L. PARSONS, M. D.,
Adjunct Professor of Surgery.

S. C. MCCOY, M. D.,
Assistant in Surgery.

The principles of surgery and surgical pathology will be taught by didactic instruction, numerous operative clinics, and quizzes. Applied anatomy is taught in connection with the course on general surgical diseases, thus familiarizing the student with the position and relations of blood-vessels, nerves, and internal organs; the pathological anatomy of dislocations, joint structure, muscle action in fractures, cerebral topography, and the influence of fasciæ and the lymphatic system in determining the progress of abscesses and inflammatory diseases. Liberal use of the cadaver is made in order to familiarize the student with whatever pertains to practical surgery. The course embraces detailed instruction in surgical dressings, *e. g.*, application and uses of bandages, making and uses of splints, uses of fixed dressings of plaster, silicate of soda, etc.

The surgical clinic affords abundant material, and practically every operation done to-day will be performed before the student. Patients so presented to the class are followed up and after-treatment demonstrated. Sufficient material will be offered in orthopedic work to render the student conversant with this particular kind of surgery. Section teaching is done in this department as in the others of the University, and first-hand knowledge is gained during the course. Clinical conferences on the operative material and contact with cases in the outdoor department are utilized from the more conventional methods of teaching.

THE LABORATORIES OF OPERATIVE AND MINOR SURGERY AND BANDAGING.

These departments are in charge of the Professors and Demonstrators of Operative Surgery.

Students are taught the proper methods of applying all bandages, including plaster of Paris, silicate of sodium, and starch.

Students of the Sophomore year are carefully instructed in the use of fracture dressings, which they are individually required to apply, and the manipulations for the reduction of dislocations.

The members of each section of the Sophomore Class are required to perform on the cadaver amputations, resections, ligations of arteries, trephining, tracheotomy, nerve resections, perineal section, and the various operations of abdominal and genito-urinary surgery.

Before any operation is performed the demonstrator carefully instructs the students in the surgical anatomy of the part, in the

management of instruments, the surgical dressings, and the proper methods of operating.

ABDOMINAL SURGERY AND GYNECOLOGY.

WILLIAM H. WATHEN, M.D.,

Professor of Abdominal Surgery and Gynecology.

LEWIS S. MCMURTRY, M.D.,

Professor of Abdominal Surgery and Gynecology.

LOUIS FRANK, M.D.,

Professor of Abdominal Surgery and Gynecology.

CHARLES W. HIBBITT, M.D.,

Professor of Gynecology.

CHARLES FARMER, M.D.,

Assistant in Abdominal Surgery and Gynecology.

EMMET F. HORINE, M.D.,

Assistant in Abdominal Surgery and Gynecology.

W. BARNETT OWEN, A.B., M.D.,

Assistant in Abdominal Surgery and Gynecology.

I. A. ARNOLD, M.D.,

Assistant in Abdominal Surgery and Gynecology.

The work in this department will consist of lectures, clinics, practical demonstrations, and quizzes. The operating room is so arranged that every student sees the detail of the work. The Senior Class is divided into sections, in order to receive individual instruction in diagnosis and technique. Physical diagnosis, as applied to the abdomen and pelvic organs, is made familiar to the student by practical demonstrations. The importance and necessity of surgical cleanliness and the means of obtaining this end are emphasized in such practical way as to fit the student for surgery of the class he will most likely do in general practice. The material in the operative clinics at the City Hospital is sufficiently ample to fit one desiring to prepare himself for this special work.

The lectures will follow the clinical cases as nearly as practicable, thus covering all the diseases of the pelvic organs. In addition, the surgical diseases of the abdominal viscera, such as appendicitis, gall stones, stomach, pancreas, and intestinal surgery, will be fully treated in both the clinical and didactic lectures.

Lectures upon Gynecology and Abdominal Surgery are illustrated, and every physiologic and pathologic condition demonstrated. Clinical lectures are delivered and recitations held during the entire course, and the abundant clinical material furnished by the School and the City Hospital enables the professors to practically demonstrate the technique of every operation in Gynecology and Abdominal and Pelvic Surgery, as all these operations are performed be-

fore the class. For more practical instructions, the students are taught in small sections in the Clinical Department of the City Hospital, where patients are examined and treated.

So great has been the growth and development of Gynecology and Abdominal Surgery that the operative technique must be taught with special care. The essential principles are taught in lectures and recitations, while the education of the touch for diagnosis, with training in the use of instruments, is more practically taught in the clinics. The indoor and outdoor departments of the City Hospital furnish every variety of disease for treatment and operation, including such major operations as ovariectomy, hysterectomy, and all forms of abdominal sections in the treatment of surgical diseases of the appendix, intestines, stomach, liver, gall bladder, and bile ducts, pancreas, etc. The minor operations, being the most numerous and important to the general practitioner, receive a large share of attention.

DEPARTMENT OF OBSTETRICS.

EDWARD SPEIDEL, M.D.,
Professor of Obstetrics.

WILLIAM B. DOHERTY, M.D.,
Professor of Obstetrics.

THOMAS K. VAN ZANDT, M.D.,
Adjunct Professor of Obstetrics.

J. B. LUKINS, M.D.,
Adjunct Professor of Obstetrics.

CHAS. W. JEFFERSON,
Assistant in Obstetrical Pathology.

DEWITT HENRY H. WOLFE, M.D.,
Assistant in Obstetrics.

The course in obstetrics embraces a thorough training in the diagnosis of pregnancy, the physiology and pathology of pregnancy, the diagnosis of presentations and positions, the management of normal and abnormal labor, measurement of the pelvis, and a thorough course upon surgical obstetrics taught by means of the manikin and demonstrations practically upon the patients. It is here that the student receives the best advantage of the section teaching, where he has the opportunity of personally making the diagnosis of the conditions present under the personal direction of the heads of this department.

The outdoor service of the City Hospital offers splendid opportunities for the assignment of cases of obstetrics to advanced students, who deliver women under the direction of the assistant to this

department, thus putting into actual practice the knowledge gained in lectures and in lessons on the manikin. The outdoor department will be made a particular feature of the course, the student thus being fitted for practice in this most important branch of medicine.

Each student in the graduating class is expected to have personally attended at least four cases of labor during his last session. The service at the City Hospital gives a most admirable opportunity for witnessing many interesting cases, as well as the conduct of the normal ones.

Charts, diagrams, manikins, puppets, wet and dried specimens are used for the teaching of this branch, and for illustrations.

The museum of this College contains numerous specimens for illustrating embryology, making the course thoroughly practical.

Besides the opportunity to do practical work in obstetrics at the City Hospital, arrangements have been made with the King's Daughters nurses, to take charge of all the labor cases that come under their care. These cases are looked after by physicians who take with them members of the graduating class, in order that the students may be placed practically in charge of the patients.

PEDIATRICS.

PHILIP F. BARBOUR, M.D.,
Professor of Pediatrics.

HARRY A. DAVIDSON, M.D.,
Adjunct Professor of Pediatrics.

GAVIN FULTON, M.D.,
Assistant Professor of Pediatrics.

The instruction in this department will be eminently practical, embracing didactic lectures, recitations, and clinics, besides section-work in the outdoor department. In the didactic lectures attention is first given to the child's peculiarities of organization and function and the consequent modification of the rules of pathology, hygiene, diagnosis and therapeutics, and much stress is laid upon the important subject of infant feeding. The clinical lectures give practical illustrations of the most advanced methods of diagnosis and treatment in this branch of practice, so important and yet so difficult to the young practitioner. In the section-teaching the professors and their assistants will give the student a daily drill in practical work in the examining rooms. Intubation will be demonstrated on the cadaver.

CUTANEOUS, VENEREAL, AND GENITO- URINARY DISEASES.

ISADORE N. BLOOM, M.D.,

Professor of Cutaneous, Venereal, and Genito-Urinary Diseases.

HERBERT BRONNER, M.D.,

*Adjunct Professor of Cutaneous, Venereal, and
Genito-Urinary Diseases.*

Both the medical and surgical side of this department will be presented in a most thorough manner. The student's time will not be unduly taken up by curiosities and unusual operations, but his attention will be directed to the acquiring of a comprehensive knowledge of these diseases.

The most recent advances in the treatment of pathological conditions of the bladder and urethra will be brought before him, and in this connection demonstrations with the cystoscope and urethroscope will be frequently made.

Debatable points will be discussed fully before the class, and students are at all times encouraged to ask questions concerning the cases presented.

The various features of syphilis will not only be viewed from a diagnostic standpoint, but also regarding their bearing upon medication. An intelligent conception of the indication for certain drugs and the methods of their administration is thus thoroughly gained. The syphilitic material in this clinic is an unusually large one, and many rare manifestations of this disease are yearly seen.

Cutaneous diseases will be treated clinically, as for their proper understanding the patient must be seen and handled.

In connection with the bringing out of the diagnostic points, treatment will not be neglected, and the results will be noted and discussed.

HYGIENE AND PREVENTIVE MEDICINE.

CARL WEIDNER, SR., M.D.,

Professor of Hygiene and Preventive Medicine.

The constantly increasing demand for qualified health officers is a testimonial that the public is coming to more fully appreciate the practical side of systematic application of hygienic laws. Prevention of the dissemination of disease is the highest obligation of the physician, and a knowledge of measures best adapted to such end his most valued asset.

The course includes practical demonstrations and didactic consideration of normal health and development; influence of habits, customs, and occupation; foods and their adulterations; water, its impurities and biological significance, natural and artificial purification; air from chemical, physical, and biological standpoints, ventilation and heating; sewage, disposal of body, house, and municipal wastes; the vital cause of disease, modes of transmission, seasonal and geographical distribution, susceptibility, immunity; prophylaxis, general—including disinfection, serum therapy, quarantine, and disposal of the dead.

PRACTICAL SANITATION.

The Faculty of the University has added to the curriculum a course in Practical Sanitation. The student will, under the instruction of a trained Sanitary Inspector, fumigate sick rooms, inspect bad housing conditions, dairies, bakeries, etc., and follow up the cause of such infectious diseases as diphtheria and typhoid fever, besides working with school inspectors. This will fit them to take the lead in their own communities, where they will become teachers of great importance of public sanitation.

DISEASES OF THE EYE, EAR, NOSE, AND THROAT.

J. M. RAY, M.D.,

Professor of Diseases of the Eye, and Clinical Diseases of the Ear, Nose and Throat.

SAMUEL G. DABNEY, M.D.,

Professor of Diseases of the Ear, Nose and Throat, and Clinical Diseases of the Eye.

ADOLPH O. PFINGST, M.D.,

Professor of Diseases of the Eye, and Clinical Diseases of the Ear, Nose and Throat.

ISAAC LEDERMAN, M.D.,

Professor of Diseases of the Ear, Nose and Throat, and Clinical Diseases of the Eye.

GEORGE A. ROBERTSON, M.D.,

Assistant in Diseases of the Eye, Ear, Nose and Throat.

CLAUD T. WOLFE, M.D.,

Assistant in Diseases of the Eye, Ear, Nose and Throat.

These branches will be covered by a systematic course of didactic instruction, illustrated by models, charts, and anatomical preparations, by clinical lectures and demonstrations. While various operations in these several departments will be performed in the presence of the class, especial attention will be devoted to the diag-

nosis and management of the more common diseases of these organs—such conditions as are generally seen and treated by the general practitioner.

The Senior Class will be divided into sections and given practical instruction in the use of the ophthalmoscope, the diagnosis and correction of anomalies of refraction, in the use of the laryngoscope, rhinoscope, and other instruments used in these branches. Under the supervision of the professors of this department the student will be required to examine patients, make diagnosis, suggest and apply treatment.

COURSE IN REFRACTION.

Students desiring a complete course in errors of refraction and their correction, may obtain facilities for pursuing these studies under the auspices of the College in private courses.

DISEASES OF THE RECTUM.

BERNARD ASMAN, M.D.,
Professor of Diseases of the Rectum.

GRANVILLE S. HANES, M.D.,
Professor of Diseases of the Rectum.

ELMER LEE HENDERSON, M.D.,
Assistant in Diseases of the Rectum.

D. Y. KEITH, M.D.,
Assistant in Diseases of the Rectum.

This subject, recognized by the profession generally as one of the greatest importance, yet strangely neglected by most medical colleges of to-day, is here given the attention which its importance demands.

Many patients who apply to the physician for treatment have some form of rectal disease. Some of these diseases respond to medical treatment, many of them are purely surgical; but even of those that are surgical, many can be successfully treated at the patient's own home. It is therefore quite essential that the physician at the beginning of his career be prepared to successfully treat the various forms of disease met with in and about the rectum.

The etiology, pathology, and diagnosis of rectal disease are given careful attention in the didactic lectures. The best methods of treatment are thoroughly demonstrated in the operative clinics. The operations and clinical lectures, as well as the didactic lectures, are reviewed by means of quizzes conducted by the professor or his assistants. Third and fourth year students are given an opportunity to see the post-operative treatment and watch the progress of cases operated upon before the class and at the charity hospitals of the city.

MEDICAL JURISPRUDENCE AND TOXICOLOGY.

PENDLETON BECKLEY.

Professor of Medical Jurisprudence and Toxicology.

A most thorough and practical course is given. The instruction in this department is given in the third and fourth years. The course comprises: The history of forensic medicine; the death-bed and dying declarations; the duties and rights of the medical witness; the dead body and its examination, personal identification, including the living person, the dead body, mutilated remains, the skeleton and detached bones—also the examination of stains of blood, semen, etc.; the presumption of death and survivorship; life insurance; malpractice; railway injuries; sex, including everything in which the female sex may be concerned in matters of jurisprudence; asphyxia, including hanging, drowning, suffocation, and strangulation; effects of cold and heat upon the body; wounds and injuries.

MEDICAL LIFE INSURANCE.

W. ED GRANT, M.D.,

Professor of Medical Life Insurance.

SIDNEY J. MEYERS, M.D.,

Professor of Medical Economics and Ethics.

A practical course in Medical Life Insurance is given to Senior students, by a Medical Director and Examiner of large experience, so that when they are called upon to make life insurance examinations their work appears to be that of a trained examiner instead of a novice.

Summary of Hours of Work

BASED ON THIRTY-TWO WEEKS TO THE SESSION.

FRESHMAN.

	Lectures	Laboratory	Clinics	Total
Histology -----	22	110	-----	132
Embryology -----	20	60	-----	80
Anatomy and Osteology -----	60	260	-----	320
Physiology -----	96	-----	-----	96
Chemistry—Inorganic -----	80	120	-----	200
Chemistry—Organic -----	48	-----	-----	48
Pharmacy -----	128	16	-----	144
	354	566	-----	1020

SOPHOMORES.

	Lectures	Laboratory	Clinics	Total
Bacteriology	39	117	-----	156
Pathology	60	180	-----	240
Post-mortems during 1911-12	-----	110	-----	110
Anatomy	60	240	-----	300
Physiology	64	128	-----	192
Pharmacology	128	36	-----	164
Bandaging, Fractures and Dressings	-----	30	-----	30
Clinical Pathology	-----	36	-----	36
Physical Diagnosis	-----	30	-----	30
Physiological Chemistry—Lectures and Recitations	60	-----	-----	60
	411	907	-----	1138

JUNIORS.

Obstetrics, recitations and manikin	-----	-----	-----	96
Eye, Ear, Nose and Throat	40	-----	40	80
Dermatology and Syphilis	40	-----	40	80
Hygiene and Medical Economics	-----	-----	-----	60
Surgery, recitations and lectures	120	-----	120	140
Dispensary Clinics	-----	-----	34	34
Surgical Anatomy	-----	30	-----	30
Clinical Pathology	-----	30	-----	30
Medicine, including mental and nervous diseases	128	-----	64	192
Pediatrics	64	-----	64	128
Dispensary Clinics	-----	-----	30	30
Clinical Pathology	-----	-----	36	36
Gynecology	32	-----	32	64
	424	60	460	1100

SENIORS.

Obstetrics; lectures, recitations and clinical work in hospital and dispensary	-----	-----	-----	96
<i>Eye, Ear, Nose and Throat—</i>				
Eye and Ear	30	-----	30	60
Nose and Throat	30	-----	30	60
Dermatology and Syphilis	30	-----	30	60
Hygiene	60	-----	-----	60
Medical Jurisprudence and Life Insurance	45	-----	-----	45
Surgery	128	-----	128	256
Surgical Pathology	-----	30	-----	30
Operative Surgery	-----	36	-----	36
Medicine	96	-----	64	160
Mental and Nervous Diseases	60	-----	36	96
Pediatrics	30	-----	36	66
Gynecology	32	-----	32	64
Abdominal Surgery	32	-----	32	64
	573	66	418	1153

FEES FOR MATRICULATION AND TUITION.

Matriculation fee, payable each year	\$5.00
Tuition per year for the Freshman, Sophomore and Junior Years	120.00
Tuition for the Senior Year	145.00

The tuition fee may be paid in installments of one-half the amount at the beginning of each half session. If not paid within one week of registration, \$5.00 will be added for the half session. The tuition for the second half if not paid by February 5th will be subject to the same conditions as imposed for the first half. Fees are not returnable or transferable.

A deposit of \$10.00 is required from all students before their names are entered on the official lists for laboratory work at the College or section work at the Hospital. This deposit will be returned at the close of the session, less the amount charged against it for breakage, for care of materials, unpaid fees, locker or any charge not paid by the student in some other way. This deposit must be paid on matriculation.

Under no circumstances are promissory notes accepted in payment. Students are advised to pay fees by check or cash for the exact amount. Remittances for other expenses are best made by postal money orders or notes sent by express. The college will not endorse checks for private expenses.

Any graduate of the University may attend lectures without payment of fee, but a fee of \$30.00 will be required for any practical course taken.

All students required to be in attendance within one week of the opening of the session.

EXAMINATIONS FOR PROMOTION.

Each class will be examined at the end of the session. A student falling below the required grade in two subjects may make up the deficiency at the beginning of the next session by satisfactorily passing a special examination in the subjects in which he is deficient; otherwise, he will be required to repeat the work the next year. These examinations will be held on September 26th and 27th, 1912, at the College building.

Credit for a full course of instruction will not be given unless the student remains throughout the prescribed time and successfully passes all the examinations in the subjects required in the class for which he desires credit. No student will be entitled to apply for examination until all fees are paid.

The Faculty reserves the right to make such changes in the order of examinations as may be deemed necessary in order to conform to the curriculum.

COLLEGE LIBRARY.

The library for the students is located in the college building, and is in charge of a librarian. It consists of several thousand bound volumes, including many medical text-books, and a number of the most important medical periodicals.

THE YOUNG MEN'S CHRISTIAN ASSOCIATION.

The Y. M. C. A. of Louisville owns and occupies a commodious and well equipped building, situated a few blocks from the University grounds. The privileges of this building and of membership in the Association are offered to students at a special rate. The privileges include the use of the library, reading and correspondence rooms, gymnasium, baths, lectures, entertainments, social receptions and religious meetings. The social, physical, and spiritual needs of young men who are strangers in the city are admirably met.

All students are cordially invited to call at the Y. M. C. A. building as soon as they are located, whether they intend to affiliate with the Association or not. They also have access to the Public Library and to the Jefferson County Medical Library.

ANNUAL LIMITATION.

The statements made as to conditions, fees, rules, and courses of lectures relate to the year 1912-1913 only, and are applicable to all students without regard to the time of a first or subsequent matriculation. Changes in the corps of instructors and curriculum of the College will be made whenever the Trustees deem it necessary. The faculty reserves the right to terminate a student's connection with the College at any time for what is deemed improper conduct, and under no circumstances will fees be returned.

BOARDING AND ROOMS.

Good board, with lodging, will cost from \$18.00 to \$20.00 per month; comfortable rooms, without board, \$8.00 to \$10.00 per month. A list of boarding houses, carefully selected, may be found at the College. Students may take their choice in location, distance, and price.

MAIL.

Students should have their mail directed in care of The University of Louisville Medical Department, where it will be delivered three times a day. The Dean or his private secretary will be in his office at the College at eight o'clock every morning except Sunday.

DIRECTION OF STUDENTS.

In order to avoid delay and expense, students, on arriving in the city, may have their baggage checked direct to the University of Louisville Medical Department, northwest corner of First and Chestnut Streets, where it will be received and taken care of until a suitable boarding-house has been selected. The student should promptly report, in person, at this building for the purpose of registering. The College has a list of desirable boarding-houses and private homes, and can give any other information necessary.

For particulars, address DR. W. EDWARD GRANT, Dean,
Louisville, Ky.

UNIVERSITY OF LOUISVILLE ACADEMIC DEPARTMENT.

The Academic Department or College of Liberal Arts and Sciences will reopen Monday, September 23, 1912. Courses in fourteen departments will be offered in 1912-1913. The College will grant the Baccalaureate degree in all departments; the Maser's degree for the present will be conferred only in the departments of English, Latin, Greek, French, German, History, Mathematics, Biology and Chemistry.

For information or catalogue address The Dean, John Patterson, A.M., LL.D., 119 W. Broadway, Louisville, Ky.

UNIVERSITY OF LOUISVILLE LAW DEPARTMENT.

The Law Department of the University of Louisville has been in successful operation since 1848. Refers to its graduates all over the Union.

For Catalogue address: Judge Seymour, Dean.

HOSPITAL APPOINTMENTS.

The Faculty appoints eight internes to the Louisville City Hospital at the close of each session. It also has the appointment of internes to the Sts. Mary and Elizabeth Hospital, St. Joseph's Infirmary, St. Anthony's Hospital, and various other Hospitals in this and other States as mentioned below.

Louisville City Hospital.

DR. ELBERT W. JACKSON	Kentucky
DR. EDGAR W. NORTHCUTT	Kentucky
DR. CHARLES E. VIDT	New Jersey
DR. WILLIAM SPENCER NEEDHAM	Kentucky
DR. DUDLEY W. QUEEN	Texas
DR. HIRAM SIMM EGGERS	Kentucky
DR. WILLIAM JOSEPH MCCRANN, JR.	Nebraska
DR. WM. BEVERLY WHITE	New York

St. Anthony's Hospital, Louisville.

DR. WALTER COX	Kentucky
----------------	----------

St. Joseph's Infirmary, Louisville.

DR. JOSEPH HENRY	Kentucky
------------------	----------

Sts. Mary and Elizabeth Hospital, Louisville.

DR. CHARLES EDWARD GAUPIN	Kentucky
---------------------------	----------

Louisville Industrial School.

DR. EDWIN SCOTT FREEMAN	Louisiana
-------------------------	-----------

Nassau Hospital, Mineola, N. Y.

DR. MELVIN G. PADEN	New Mexico
---------------------	------------

U. S. Marine Hospital, Pittsburgh, Pa.

DR. R. CARLISLE MOSS	Kentucky
----------------------	----------

New York Polyclinic, New York City.

DR. JOHN RAY PRYOR	Kentucky
--------------------	----------

Baroness Erlanger Hospital, Chattanooga, Tenn.

DR. JAMES A. SMITH	Kentucky
--------------------	----------

DR. BRYCE F. RUNYAN	Tennessee
---------------------	-----------

Star Ranch Sanatorium, Colorado Springs, Colo.

DR. J. EMERY JENKINS -----Kentucky

German Hospital, Newark, N. J.

DR. ALBERT J. GUERINOT -----New York

Grace Hospital, Detroit, Mich.

DR. CHAS. A. HAMMER -----Kentucky

Deaconess Hospital, Evansville, Ind.

DR. G. FIELDING JONES -----Kentucky

St. Mary's Hospital, Evansville, Ind.

DR. SHERMAN LOGAN MCKINNEY -----Indiana

St. Anthony's Hospital, Terre Haute, Ind.

DR. ELIJAH THOMAS SELLERS -----Kentucky

Protestant Hospital, Norfolk, Va.

DR. LAWRENCE E. DOWNS -----Arkansas

St. Joseph's Hospital, Lexington, Ky.

DR. ALBERT L. BASS -----Kentucky

Miners Union Hospital, Logan, W. Va.

DR. RUSH F. FARLEY -----West Virginia

Bayonne Hospital, Bayonne, New Jersey.

DR. A. PRESTON WARMAN -----Indiana

St. Louis City Hospital.

DR. PERCY R. PEARSON -----Indiana

Gouverneur Hospital, New York City.

DR. GEORGE M. MCLEISH -----Indiana

Graduates 1911-12

William J. Albrecht	Pennsylvania
John D. Allen	Alabama
George Tingley Barcklow	New Jersey
Albert L. Bass	Kentucky
Festus Cecil Bandy	Kentucky
Charles B. Bard	Indiana
John William Bellamy	Kentucky
William Herbert Beazley	Texas
William Robert Blackmon	South Carolina
William Harvey Bruce	Virginia
Lorrien L. Bulleitt	Indiana
Ernest Parker Buckley	Indiana
Arley D. Cathey	Arkansas
Ottis P. Chapman	West Virginia
James R. Cottell	Kentucky
Walter Cox	Kentucky
Homer Wickliff Cox	Indiana
William M. Cox	Kentucky
Denna Cree Daniel	West Virginia
Early Beauregard Dovell	Virginia
J. Carlisle Dodson	Kentucky
Thomas Manning Dorsey	Kentucky
William Edgar Downie	Barbados, West Indies
Lawrence E. Downs	Arkansas
Hiram Simm Eggers	Kentucky
Edwin Scott Freeman	Louisiana
Rush F. Farley	West Virginia
Charles Edward Gaupin	Kentucky
Thomas Monroe Garner	Kentucky
Robert James Gillespie	Alabama
T. Dewitt Goodman	Kentucky
Clifford S. Goodman	Kentucky
Albert J. Guerinot	New York
Claud C. Green	Mississippi
Stanley A. Guilbeau	Louisiana
Charles Newton Hahn	Missouri
George Hays	Kentucky
Charles Anthony Hammer	Kentucky
William Garfield Henderson	Missouri
Kenna J. Heatherman	West Virginia
M. Joseph Henry	Kentucky
Lan L. Hewlett	Kentucky

Howard D. Hively	West Virginia
James Orville Hill	West Virginia
David L. Hill	Texas
William K. Howard	Kentucky
Edward L. Inman	Kentucky
J. Emery Jenkins	Kentucky
Robert Elmer Johnson	Illinois
Elbert W. Jackson	Kentucky
Charles B. Jones	Texas
Cody H. Jones	Kentucky
G. Fielding Jones	Kentucky
Reed Spencer Johnson	Kentucky
William D. Lewis	West Virginia
Harry M. Limbach	Kentucky
Addie M. Lyon	Kentucky
Joung Cleveland Lott	Georgia
Joshua J. Luke	Florida
William Joseph McCrann, Jr.	Nebraska
J. Frank McKneely	Louisiana
George Martin McLeish	Indiana
Sherman Logan McKinney	Indiana
Hugh D. McPherson	Alabama
Edward B. Malloy	Ohio
Claude A. Martin	Louisiana
N. Ellis Mattox	Indiana
Ross Christman Martin	Indiana
Charles Carey Maupin	Oklahoma
Victor H. Miller	Tennessee
Alfred B. Mills	Ohio
R. Carlisle Moss	Kentucky
Charles E. Moore	Iowa
Giles Elmer Mowrer	Indiana
Edgar W. Northcutt	Kentucky
William Harmon Nash	Kentucky
William Spencer Needham	Kentucky
James Alfred Outland	Kentucky
Percy Raymond Pierson	Indiana
Melvin G. Paden, Jr.	New Mexico
Orville Arnold Peer	Michigan
William Louis Peck	West Virginia
John Ray Pryor	Kentucky
Herbert A. Porter	Virginia
Dudley W. Queen	Texas
Ernest Bascomb Rider	Arkansas

Eddie Riley	Kentucky
Fred P. Riley	Missouri
Hyman D. Rosenberg	New York
Jacob Rosenberg	New York
Robert H. Rowe	North Carolina
Charles Clarence Rose	Oklahoma
Warren McCrimmon Royal	Georgia
Bryce F. Runyan	Tennessee
William Eureka Seale	Mississippi
Harry Preston Sayle	Mississippi
Sam Tudor Scrivner	Kentucky
Fred Luther Sievers	Kentucky
Elijah Thomas Sellers	Kentucky
John Rod Shacklette	Kentucky
T. Elkin Shell	Mississippi
Richard Raymond Snowden	Kentucky
Samuel Clemens Smith	Kentucky
James Arthur Smith	Kentucky
John W. Story, Jr.	Arkansas
R. P. Ellis Starr	Kentucky
Clarence William Taylor	Indiana
Willis A. Taylor	Texas
Laurence Newton Todd	Kentucky
Arnold Utterback	Kentucky
Frank George Ungerman	Pennsylvania
Charles E. Vidt	New Jersey
Lee Benjamin Watkins	Louisiana
A. Preston Warman	Indiana
Murry Hamilton Walker	Kentucky
Aron Vida Weinberger	Germany
William Beverly White	New York
Leonard T. Whaley	Indiana

Seniors 1911-1912

Albrecht, W. J.	Pennsylvania	Bulleitt, L. L.	Indiana
Allen, J. D.	Alabama	Buckley, E. P.	Indiana
Barcklow, G. T.	New Jersey	Cathey, A. D.	Arkansas
Bass, A. L.	Kentucky	Chapman, O. P.,	West Virginia
Bandy, F. C.	Kentucky	Cottell, J. R.	Kentucky
Bard, C. B.	Indiana	Cox, Walter	Kentucky
Bellamy, J. W.	Kentucky	Cox, H. W.	Indiana
Beazley, W. H.	Texas	Cox, W. M.	Kentucky
Blackmon, W. R.,		Daniel, D. C.	West Virginia
	South Carolina	Dovell, E. B.	Virginia
Bow, S. H.	Kentucky	Dodson, J. C.	Kentucky
Bruce, W. H.	Virginia	Dorsey, T. M.	Kentucky

Downie, W. E.,
 Barbados, West Indies
 Downs, L. E.-----Arkansas
 Eggers, H. S.-----Kentucky
 Freeman, E. S.-----Louisiana
 Farley, R. F.-----West Virginia
 Gaupin, C. E.-----Kentucky
 Garner, T. M.-----Kentucky
 Gillespie, R. J.-----Alabama
 Goodman, T. Dew.---Kentucky
 Goodman, C. S.-----Kentucky
 Guerinot, A. J.-----New York
 Green, C. C.-----Mississippi
 Guilbeau, S. A.-----Louisiana
 Hahn, C. N.-----Missouri
 Hays, G.-----Kentucky
 Hammer, C. A.-----Kentucky
 Henderson, W. G.---Missouri
 Heatherman, K. J.,
 West Virginia
 Henry, M. J.-----Kentucky
 Hewlett, L. L.-----Kentucky
 Hively, H. D.---West Virginia
 Hill, J. O.-----West Virginia
 Hill, D. L.-----Texas
 Howard, W. K.-----Kentucky
 Inman, E. L.-----Kentucky
 Jenkins, J. E.-----Kentucky
 Johnson, R. E.-----Illinois
 Jackson, E. W.-----Kentucky
 Jones, C. B.-----Texas
 Jones, C. H.-----Kentucky
 Jones, G. F.-----Kentucky
 Johnson, R. S.-----Kentucky
 Lewis, W. D.---West Virginia
 Limbach, H. M.-----Kentucky
 Lyon, A. M.-----Kentucky
 Lott, J. C.-----Georgia
 Luke, J. J.-----Florida
 McCrann, W. J., Jr., Nebraska
 McKneely, J. F.-----Louisiana
 McLeish, G. M.-----Indiana
 McKinney, S. L.-----Indiana
 McPherson, H. D.---Alabama
 Malloy, E. B.-----Ohio
 Martin, C. A.-----Louisiana
 Mattox, N. E.-----Indiana
 Martin, R. C.-----Indiana
 Maupin, C. C.-----Oklahoma

Miller, V. H.-----Tennessee
 Mills, A. B.-----Ohio
 Moss, R. C.-----Kentucky
 Moore, C. E.-----Iowa
 Mowrer, G. E.-----Indiana
 Northcutt, E. W.---Kentucky
 Nash, W. H.-----Kentucky
 Needham, W. S.---Kentucky
 Outland, J. A.-----Kentucky
 Pierson, P. R.-----Indiana
 Paden, M. G., Jr., New Mexico
 Peer, O. A.-----Michigan
 Peck, W. L.-----West Virginia
 Pryor, J. R.-----Kentucky
 Porter, H. A.-----Virginia
 Queen, D. W.-----Texas
 Rider, E. B.-----Arkansas
 Riley, E.-----Kentucky
 Riley, F. P.-----Missouri
 Rosenburg, H. D.---New York
 Rosenburg, J.-----New York
 Rowe, R. H.---North Carolina
 Rose, C. C.-----Oklahoma
 Royal, W. McC.-----Georgia
 Runyan, B. F.-----Tennessee
 Seale, W. E.-----Mississippi
 Sayle, H. P.-----Mississippi
 Scrivner, S. T.-----Kentucky
 Sievers, F. L.-----Kentucky
 Sellers, E. T.-----Kentucky
 Shacklette, J. R.---Kentucky
 Shell, T. E.-----Mississippi
 Snowden, R. R.---Kentucky
 Smith, S. C.-----Kentucky
 Smith, J. A.-----Kentucky
 Story, J. W., Jr.---Arkansas
 Starr, R. P. E.-----Kentucky
 Taylor, C. W.-----Indiana
 Taylor, W. A.-----Texas
 Todd, L. N.-----Kentucky
 Utterback, A.-----Kentucky
 Ungerman, F. G.---Pennsylvania
 Vidt, C. E.-----New Jersey
 Watkins, L. B.-----Louisiana
 Warman, A. P.-----Indiana
 Walker, M. H.-----Kentucky
 Weinberger, A. V.---Germany
 White, W. B.-----New York
 Whaley, L. T.-----Indiana

Juniors 1911-12

Alexander, Geo.-----Indiana
 Baker, Geo. E.-----Indiana
 Belote, G. B.-----Kentucky
 Benz, Jesse-----Indiana
 Boyd, Harry A.-----Indiana

Boone, C. A., Jr.-----Florida
 Booher, Irvin E.-----Indiana
 Braun, Sam A.-----Kentucky
 Briscoe, L. E.-----Indiana
 Buckner, F. I.-----Kentucky

Brown, R. F. -----Kentucky
 Burns, Wm. A. -----Texas
 Burnett, Theo. L. -----Kentucky
 Clark, M. L. -----Louisiana
 Crain, A. W. -----Kentucky
 Crow, H. L. -----Louisiana
 Couchman, A. B. -----Indiana
 Connelly, John A. -----Illinois
 Day, George H. -----Indiana
 Deer, Blan F. -----Indiana
 Doherty, Wm. B. -----Kentucky
 Dobbins, V. L. -----Mississippi
 Duenweg, Rudolph ---Indiana
 Dyer, G. L. -----Kentucky
 Eddleman, C. S. -----Indiana
 Farren, C. A. --West Virginia
 Farley, Jeff ---West Virginia
 Fall, Norman B. -----Kansas
 Forster, Wm. A., Pennsylvania
 Garland, D. G., West Virginia
 Goodnight, T. L. -----Texas
 Gcod, M. D. ---West Virginia
 Griffith Gordon -----Indiana
 Hazlewood, Varney --Indiana
 Howard, E. E. -----Illinois
 House, Jeff D. -----Mississippi
 Horner, Frank -----Indiana
 Hume, W. I. -----Kentucky
 Ison, Geo. W. -----Kentucky
 Kannappel, A. P. -----Indiana
 Lawrence, M. M. -----Kentucky
 Leggett, V. M., N'rth Carolina
 Lanahan, Chas. E. -----Kentucky
 Lucas, Phil G. -----Indiana
 Luke, J. M. -----Georgia

Lynch, O. B. ---West Virginia
 McGregor, E. H. -----Texas
 McClanahan, C. W., Kentucky
 Manzer, T. T., North Dakota
 Miller, O. R. -----Indiana
 Mitchell, A. M. -----Indiana
 Mimmis, C. W. -----Kentucky
 Metcalf, H. C. -----Indiana
 Morrison, G. C. -----Indiana
 Morse, W. L. -----Kentucky
 Nelson, O. A. -----Wisconsin
 Neblette, L. W. -----Kentucky
 Ozment, W. L. -----Illinois
 Parrish, Ben. V. -----Indiana
 Pahmeier, J. W. -----Indiana
 Powe, Alex M. -----Mississippi
 Rice, E. D. -----Texas
 Robertson, J. E., W. Virginia
 Ruble, R. H. -----Tennessee
 Rumph, Thos. G. -----Texas
 Rumph, Jno. G. -----Texas
 Steele, N: E. ---West Virginia
 Stalnaker, Guy, West Virginia
 Smith, F. H. -----Kentucky
 Smith, W. T., --West Virginia
 Taylor, W. E. -----Oregon
 Van Zandt, Tom -----Texas
 Voor, Jno. B. -----Kentucky
 Walden, R. M. -----Indiana
 Walker, Allen H. ---Kentucky
 Werry, L. E. -----Indiana
 Wilson, P. E. -----Indiana
 Wiley, Jos. C. ---Pennsylvania
 Yongue, W. J. -----Kentucky
 Zink, C. M. -----Indiana

Sophomore Class 1911-12

Armes, Geo. H. -----Kentucky
 Baker, Bruce -----Indiana
 Baker, M. C. -----Kentucky
 Beadles, R. L. -----Mississippi
 Berle, Chas. K. -----Kentucky
 Bertram, H. M. -----Kentucky
 Blair, F. K. -----Kentucky
 Bishop, Frank C. -----Kentucky
 Black, J. R. -----Kentucky
 Botts, Geo. W. -----Kentucky
 Broeker, Conrad -----Indiana
 Bush, Andrew P., W. Virginia
 Caldwell, A. G. -----Kentucky
 Carter, Stewart -----Kentucky
 Connor, R. W. -----Indiana
 Harmon, V. E. -----Indiana
 Hawkins, Clarence ---Indiana

Hooker, Jas. F. -----Kentucky
 Harvey, Jos. C. --Washington
 Henson, E. B., West Virginia
 Hufnagel, C. J. -----Indiana
 Kirkpatrick, R. B. -----Kentucky
 Klauber, Edward ---Kentucky
 Levendorf, Israel, Pennsylv'nia
 Longmire, V. M. -----Texas
 McKinney, W. E. -----Texas
 McPheeters, Jas. M. Kentucky
 Mayo, Harry H. -----Kentucky
 McReynolds, Ben ---Kentucky
 Mauney, S. M. -----Mississippi
 Monaco, Salvator -----Illinois
 Marcus, Sam'l -----Illinois
 Curtis, Chester -----Indiana
 Densford, W. L. -----Indiana

Dodson, Brooke ----Kentucky
 Edgerton, N. E.----New York
 Ferguson, O. E.----Tennessee
 Fagan, J. L. ---West Virginia
 Feld, Nathan -----Kentucky
 Fust, J. H. E.-----Kentucky
 Glenn, Earl -----Illinois
 Guntermann, Peter, Kentucky
 Glenn, Foster C. ----Illinois
 Gray, Kenneth L.---Mississippi
 Hale, F. T. -----Indiana
 Hall, E. R. -----Tennessee
 Mathewsian, M. H., Kentucky
 Marcum, C. B. ----Kentucky
 Mills, Chas. D. -----Kansas

Ozias, Chas. R. -----Missouri
 Raber, Wm. G. -----Indiana
 Richeson, H. H. -----Illinois
 Remark, P. R. -----Indiana
 Robinson, M. M. ---Kentucky
 Shrewsbury, H. A.---Kentucky
 Reynolds, E. O.-----Iowa
 Rowan, W. S. ----Oklahoma
 Ray, Ermine L. -----Kentucky
 Shrewsbury, L. E.,
 West Virginia
 Trabue, McD. -----Kentucky
 Vander Voort, Wm., Michigan
 Woolsey, H. A.-----Texas

Freshman Class 1911-12

Allen, Will H.-----Alabama
 Alexander, P. M.----Kentucky
 Abell, C. E.-----Kentucky
 Bach, Luther -----Kentucky
 Barton, Earl-----Kentucky
 Beck, M. C.-----Special
 Beeler, Bruce H.----Indiana
 Carr, Thomas C.----Tennessee
 Claypool, Don P.----Indiana
 Clifford, Chas. G.-----Ohio
 Chow, Kuei -----China
 Curry, Albert W.---Kentucky
 Conley, Orva---West Virginia
 Cohen, M. B.-----Georgia
 Dixon, Fred W.-----Indiana
 Dunbar, G. S.-----Kentucky
 Ellars, L. R.-----Indiana
 Eilers, A. W.-----Kentucky
 Ewers, E. M.-----Indiana
 Fatheree, D. E.-----Illinois
 Fischer, Wm. O.-----Illinois
 Faust, Glen T.-----Tennessee
 Fairchild, S. Ray-----Iowa
 Floyd, Jno. B.-----Mississippi
 Foster, Owen C.-----Illinois
 Frazer, Jno. L.-----Georgia
 Gingles, Hunter W.---Kentucky
 Ginn, F. H.-----Georgia
 Goodman, Arthur O.---Kentucky
 Goldsborough, R. N.-----Kentucky
 Harralson, Jno. H.---Kentucky
 Hayes, Emmet R.---Kentucky
 Harris, Paul G., Jr.---Kentucky
 Hicks, Jno. H.-----Kentucky
 Hyder, R. Benneck, Tennessee
 Holbrook, W. F.-----Missouri

Howell, Wm. H.---W. Virginia
 Hughes, Harry A., Jr. Arizona
 Jamison, Wm. F.---New Jersey
 Justice, Jas I.---West Virginia
 Kiser, A. E.-----Kentucky
 Kavanaugh, Chas. M. Kentucky
 Kayton, Merle -----Florida
 Kelso, Rayburn-----Indiana
 Lattimore, Jas. P. -----Texas
 Lyons, Geo. C. -----Tennessee
 Marcum, C. W., West Virginia
 McDowell, Henry F. Kentucky
 Merriwether, B. M.,
 North Carolina
 Neidheimer, Claude B. Indiana
 Moore, Earl E. -----Indiana
 Negley, Wm. B. ---Kentucky
 Phillips, F. A. -----Illinois
 Posey, E. L. -----Oklahoma
 Pooley, Jno. V. -----Iowa
 P'Pool, Wm. F. -----Texas
 Reeder, Henry H. ---Indiana
 Richison, Earl -----Illinois
 Rock, J. H. -----Ontario
 Sayers, Vance W., Pennsylv'a
 Sarchet, Hugo N. -----Iowa
 Sloan, Leslie P. -----Illinois
 Skaggs, Jos. E. -----Kansas
 Smith, Leighton A. ---Florida
 Smith, Angus J. ---Florida
 Smith, Edwin D. ---Kentucky
 Smith, Frank M. ---Tennessee
 Smith, Aaron H. ---Indiana
 Strickler, P. P.-----Kentucky
 Steele, G. W.---West Virginia
 Stork, Harvey K. ---Indiana

Spencer, Benj. W. ---Kentucky
 Stephens, O. C. -----Indiana
 Swope, Buel A. -----Missouri
 Stewart, Thos. W. ---Georgia
 Todd, Grover C. -----Indiana
 Turley, Vigo -----Indiana
 Voigt, Chas. -----Indiana
 Ware, Ralph H. ---Kentucky
 Walker, Walter -----Kentucky
 Ward, Rawley W. -----Texas

Watson, Asa C. ----Oklahoma
 Whistler, E. P. ----Kentucky
 Wilson, Uthie R. ----Indiana
 Wilson, Geo. H. -----Illinois
 White, Victor H. -----Indiana
 Wood, Cleveland -----Texas
 Woods, Ralph -----Illinois
 Winter, Karl D. ---Kentucky
 Zeigler, Herbert G., Wisconsin

Post Graduates 1911-12

Allen, S. P., M.D.-----West Virginia
 Aultz, L. L., M.D.-----West Virginia
 Ball, Sam, M.D.-----Texas
 Judy, W. J., M.D.-----West Virginia
 McKinney, J. S., M.D.-----Texas
 Rush, W. M., M.D.-----Kentucky
 Tucker, Jno. C., M.D.-----Kentucky
 Truitt, C. S., M.D.-----Texas
 Wilson, Claude, M.D.-----Kentucky
 Ward, H. H., M.D.-----West Virginia

Text-Books

ANATOMY—Cunningham, Piersol, Spalteholz, Davis: Applied
 Anatomy.
 ABDOMINAL SURGERY—Kelly & Noble, Moynihan.
 HISTOLOGY—Bailey & Ferguson.
 PATHOLOGY—Delafield & Prudden, Shennan.
 BACTERIOLOGY—Muir & Ritchey.
 CLINICAL MICROSCOPY—Emerson, Wood, Faught.
 MATERIA MEDICA AND THERAPEUTICS—Wood, Butler, Cushny, Soll-
 mann, Hare.
 PHYSIOLOGY—Stewart, Howell Huxley.
 CHEMISTRY—Hawk, Remsen, Kahlenberg.
 MEDICINE—Osler, French, Tyson, Anders.
 PHYSICAL DIAGNOSIS—Butler, Cabot. Index of Differential Diag-
 nosis.
 OPERATIVE SURGERY—Bickham, Bryant, Binnie.



3 0112 105812744

SURGERY—DaCosta, Park, Lexer-Bevan, American Text-Book, Rose & Carless.

SURGICAL ANATOMY—Treves, Deaver.

SURGICAL DIAGNOSIS—Eisendrath, Gould.

FRACTURES AND DISLOCATIONS—Stimson, Scudder.

OBSTETRICS—Williams, Edgar, Jewett.

EMBRYOLOGY—Bailey & Miller, Heisler.

GYNECOLOGY—Dudley, Kelly.

DISEASES OF CHILDREN—Holt, Fischer.

NERVOUS AND MENTAL DISEASES—Dana, Church & Peterson, Starr.

HYGIENE—Harrington, Bergey, Rohe & Robin.

OPHTHALMOLOGY—May, Fuchs.

RHINOLOGY AND LARYNGOLOGY—Gleason, Kyle, Coakley.

OTOLOGY—Bacon, Politzer.

GENITO-URINARY AND VENEREAL DISEASES—White & Martin, Chetwood, Morton.

DISEASES OF THE RECTUM—Tuttle, Gant, Mathews.

POST-MORTEM TECHNIQUE—Mallory & Wright.

MEDICAL JURISPRUDENCE AND TOXICOLOGY—Draper, Taylor, Chapman.

MEDICAL LIFE INSURANCE—Green.

MEDICAL LATIN—St. A. air.

MEDICAL PHYSICS—Brokaw, Gage.

MEDICAL DICTIONARY—Gould's Practitioner's, Stedman's.

DERMATOLOGY—Stelwagon, Jackson, Morris.

PHARMACY—U. S. Pharmacopœia, Remington.

SURGICAL PATHOLOGY—Nancrede, Senn.

URINALYSIS—Tyson, Purdy, Ogden, Saxe.

STOMACH—Bassler & Kent.

DIET—Hutchison, Friedenwald-Rurah.